

ABSTRACT

1 Conventional Internet access service and new computer programs are added to a
2 conventional telephone central office. This system is able to alert a subscriber whose
3 telephone line is connected to the Internet of a waiting call via the Internet access connection.
4 Specifically, in response to a call that is waiting for a subscriber, the system establishes a
5 new communication with the subscriber using the Internet access connection and new
6 programs in the subscriber's data terminal. The system then notifies the subscriber of the
7 waiting call via the Internet access connection. The system may then forward the telephone
8 call to the subscriber via the Internet access connection responsive to a subscriber's request
9 to do so without terminating the subscriber's Internet connection, or the subscriber may
10 choose to answer the call in a conventional manner, or may select another option in response
11 to the call notification.